Index of Claims



Application/Control No.

10/046,933

Examiner

CRISTINA OWEN SHERR

Applicant(s)/Patent under Reexamination

BRATTON ET AL.

Art Unit

3685

| <b>√</b> | Rejected |
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| =        | Allowed  |

| ı | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
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| o | Objected |

| Claim  | Cla   | nim      |          |         |          | _ | Dot      |  |          |   | ì | Cla   | nim      |          |         |          | _ | Date     | _ |
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| S2    V + V   S3    V + V   S4    V + V   S5    V + V   S6    V + V    | Final | Original | 8/1/08   | 1/11/09 |          |   |          |  |          |   |   | Final | Original | 8/1/08   | 1/11/09 |          |   |          |   |
| S2    V + V   S3    V + V   S4    V + V   S5    V + V   S6    V + V    |       | 1        | 1        | ÷       |          |   |          |  |          |   |   |       | 51       | 1        | ÷       |          |   | $\vdash$ | t |
| 3  |       |          | _        | ÷       |          |   |          |  |          |   | ĺ |       |          | _        | ÷       |          |   | Г        | T |
| 4  |       |          | _        | ÷       |          |   |          |  |          |   |   |       | 53       |          | ÷       |          |   | H        | t |
| 5  |       |          |          | ÷       | H        |   | $\vdash$ |  | H        |   | 1 |       |          |          | ÷       | $\vdash$ |   | $\vdash$ | t |
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| 10   |       |          |          | _       | $\vdash$ |   | $\vdash$ | <del>                                     </del> | $\vdash$ |   | 1 |       |          |          |         | $\vdash$ |   | ┢        | t |
| 11   |       | _        |          | _       | H        |   | $\vdash$ |  | H        |   | 1 |       |          |          | _       | $\vdash$ |   | $\vdash$ | t |
| 12   |       |          | _        | _       | H        |   | $\vdash$ |  |          |   | 1 |       |          | Ė        |         | $\vdash$ |   | $\vdash$ | t |
| 13   63  |       |          | _        | _       | $\vdash$ |   | $\vdash$ |  | $\vdash$ |   | 1 |       | 62       |          |         | $\vdash$ |   | $\vdash$ | t |
| 14   √ ÷   64   65   66     15   √ ÷   66   67   68   67   68   69   70   68   69   70   71   71   71   72   73   74   72   73   74   72   73   74   72   73   74   75   76   77   78   74   75   76   77   78   79   30   79   30   79   30   81   82   33   81   82   33   84   82   33   84   85   86   87   88   89   84   85   86   87   88   89   90   90   91   91   92   93   94   94   94   94   94   94   95   96   96   97   98   99   |       |          | -        |         | H        |   | H        |  | H        |   | 1 |       |          |          |         | $\vdash$ |   | $\vdash$ | t |
| 15   |       |          | _        | _       | $\vdash$ |   | $\vdash$ |  |          |   | ł |       |          | $\vdash$ |         | $\vdash$ |   | $\vdash$ | t |
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| 17   √ +     18   √ +     19   √ +     20   √ +     21   √ +     21   √ +     23   √ +     23   √ +     24   √ +     25   √ +     26   √ +     27   √ +     28   √ +     29   √ +     30   √ +     31   √ +     33   √ +     33   √ +     33   √ +     35   √ +     36   √ +     38   √ +     38   √ +     38   √ +     38   √ +     38   √ +     38   √ +     38   √ +     38   √ +     38   √ +     38   √ +     38   √ +     38   √ +     38   √ +     38   √ +     38   √ + <t< td=""><td></td><td></td><td>_</td><td>_</td><td><math>\vdash</math></td><td></td><td><math>\vdash</math></td><td><del>                                     </del></td><td>H</td><td></td><td>1</td><td></td><td></td><td></td><td></td><td><math>\vdash</math></td><td></td><td>┢</td><td>t</td></t<>  |       |          | _        | _       | $\vdash$ |   | $\vdash$ | <del>                                     </del> | H        |   | 1 |       |          |          |         | $\vdash$ |   | ┢        | t |
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| 21   |       |          | _        |         |          |   |          | <u> </u>   |          |   |   |       |          |          |         |          |   | ┢        | t |
|  |       | 21       | _        | _       |          |   | $\vdash$ |  |          |   | 1 |       |          | $\vdash$ |         | $\vdash$ |   | ⊢        | t |
| 23   V   +   |       | 22       | _        | _       | $\vdash$ |   | $\vdash$ |  |          |   | ł |       |          | $\vdash$ |         | $\vdash$ |   | $\vdash$ | t |
| 24   |       |          | _        | _       | $\vdash$ |   | $\vdash$ |  |          |   | ł |       |          | $\vdash$ |         | $\vdash$ |   | ⊢        | t |
| 25   |       | 24       | -        | _       |          |   | $\vdash$ |  |          |   | 1 |       |          | H        |         | $\vdash$ |   | $\vdash$ | t |
| 26   √ ÷     27   √ ÷     28   √ ÷     29   √ ÷     30   √ ÷     31   √ ÷     32   √ ÷     33   √ ÷     34   √ ÷     36   √ ÷     38   √ ÷     38   √ ÷     38   √ ÷     40   √ ÷     41   √ ÷     42   √ ÷     43   √ ÷     44   √ ÷     45   √ ÷     46   √ ÷     47   √ ÷     48   √ ÷     96   ←     47   √ ÷     48   √ ÷     99   99   |       | 25       | _        | -       | $\vdash$ |   | $\vdash$ |  | $\vdash$ |   | 1 |       |          | $\vdash$ |         | $\vdash$ |   | $\vdash$ | t |
| 27   √ +     28   √ +     29   √ +     30   √ +     31   √ +     32   √ +     33   √ +     33   √ +     35   √ +     36   √ +     38   √ +     38   √ +     39   √ +     40   √ +     41   √ +     42   √ +     43   √ +     44   √ +     45   √ +     46   √ +     48   √ +     96   0     97   98     99   |       | 26       | _        | _       | H        |   | $\vdash$ |  | H        |   | 1 |       |          | H        |         | $\vdash$ |   | $\vdash$ | t |
| 28   √   ÷   78     29   √   ÷   79     30   √   ÷   80     31   √   ÷   81     32   √   ÷   82     33   √   ÷   83     34   √   ÷   84     35   √   ÷   86     37     87     38   √   ÷   88     39   √   ÷   89     40   √   ÷   90     41   √   ÷   90     41   √   ÷   92     43   √   ÷   93     44   √   ÷   94     45   √   +   95     46   √   ÷   96     47   √   +   98     49   √   +   99  |       |          | -        | _       |          |   |          |  |          |   | 1 |       |          |          |         | $\vdash$ |   | $\vdash$ | t |
| 29   √   ÷   79     30   √   ÷   80     31   √   ÷   81     32   √   ÷   82     33   √   ÷   83     34   √   ÷   85     36   √   ÷   86     37    87   88     39   √   ÷   88     39   √   ÷   90     41   √   ÷   91     42   √   ÷   92     43   √   ÷   93     44   √   ÷   94     45   √   ÷   96     47   √   ÷   96     48   √   +   98     99   99   99   99  |       | 28       | _        | _       |          |   | $\vdash$ |  |          |   | ł |       | 78       |          |         | $\vdash$ |   | $\vdash$ | t |
| 30   |       |          | _        | _       |          |   | $\vdash$ |  |          |   | ł |       |          |          |         | $\vdash$ |   | $\vdash$ | t |
| 31   |       | 30       | _        | _       |          |   |          |  |          |   | ł |       |          |          |         |          |   | t        | t |
| 32   |       |          | _        | _       | $\vdash$ |   | $\vdash$ |  | T        |   | ĺ |       |          | $\vdash$ |         | $\vdash$ |   | Н        | t |
| 33   \( \frac{1}{2} \)   |       |          | _        | ÷       |          |   | $\vdash$ |  |          |   | ĺ |       |          |          |         |          |   | Н        | t |
| 34   |       |          | _        | ÷       |          |   |          |  |          |   | i |       |          |          |         |          |   |          | t |
| 35   |       | 34       | 1        | ÷       |          |   |          |  |          |   |   |       |          |          |         |          |   |          | t |
| 36   |       |          | 1        | ÷       |          |   |          |  |          |   | i |       |          |          |         |          |   |          | T |
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| 38   |       |          | -        |         |          |   |          |  |          |   | ĺ |       |          | Г        |         |          |   | Г        | T |
| 39   |       |          | 1        | ÷       |          |   |          |  |          |   | ĺ |       |          |          |         |          |   |          | T |
| 40 √ ÷ 90 91 91 92 92 93 93 94 94 94 94 95 96 96 97 97 98 99 99 99 99 99   |       |          | _        | ÷       |          |   | Г        |  |          |   | ĺ |       |          | Г        |         |          |   | Г        | Ť |
| 41 √ ÷ 91   42 √ ÷ 92   43 √ ÷ 93   44 √ ÷ 94   45 √ ÷ 95   46 √ ÷ 96   47 √ ÷ 97   48 √ ÷ 98   49 √ ÷ 99  |       |          |          | ÷       |          |   |          |  |          |   | ĺ |       |          | Г        |         |          |   |          | T |
| 42 √ ÷ 92   43 √ ÷ 93   44 √ ÷ 94   45 √ ÷ 95   46 √ ÷ 96   47 √ ÷ 97   48 √ ÷ 98   49 √ ÷ 99  |       |          |          | _       |          |   |          |  |          |   | ĺ |       |          |          |         |          |   |          | T |
| 43 √ ÷   44 √ ÷   45 √ ÷   46 √ ÷   47 √ ÷   48 √ ÷   49 √ ÷   99  |       |          | <b>V</b> | ÷       |          |   |          |  |          |   | ĺ |       |          |          |         |          |   |          | T |
| 44 √ ÷   45 √ ÷   46 √ ÷   47 √ ÷   48 √ ÷   49 √ ÷  |       |          | _        | ÷       |          |   |          |  |          |   | ĺ |       |          |          |         |          |   |          | T |
| 45 √ ÷ 95 96 96 97 48 √ ÷ 98 99 99 99  |       |          | 4        | ÷       |          |   |          |  |          |   | ĺ |       |          |          |         |          |   | Г        | T |
| 46 √ ÷ 96 97 97 48 √ ÷ 98 99 99 99   |       | 45       | 4        | ÷       |          |   |          |  |          |   | 1 |       | 95       |          |         |          |   |          | Τ |
| 47 √ ÷ 97 98 98 99 99 99   |       |          | √        | ÷       |          |   |          |  |          |   | 1 |       |          | Г        |         |          |   |          | T |
| 49 V ÷ 99  |       |          | <b>√</b> | ÷       |          |   |          |  |          | Ĺ |   |       |          |          |         |          |   |          | Γ |
|  |       |          | 1        | ÷       |          |   |          |  |          |   | ] |       |          |          |         |          |   |          | Γ |
| 50   √   ÷   |       |          |          | ÷       |          |   |          |  |          |   | ] |       |          |          |         |          |   |          | ſ |
|  |       | 50       | √        | ÷       |          |   |          |  |          |   |   |       | 100      |          |         |          |   |          | Ĺ |

| Cla     | aim            |  |         |                                     |   | Date | Э |   |   |   |
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|         |                |  |         |                                     |   |      |   |   |   |   |
| <u></u> | Original       | 8/1/08                                       | 1/11/09 |                                     |   |      |   |   |   |   |
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|         | E4             | J  |         | $\vdash$                            |   |      |   |   |   |   |
|         | 51             | 7  | ÷       | $\vdash$                            |   |      |   |   |   |   |
|         | 52<br>53       | ٧  | ÷       |                                     |   |      |   |   |   |   |
|         | 53             |  | ÷       |                                     |   |      |   |   |   |   |
|         | 54             | V  | ÷       |                                     |   |      |   |   |   |   |
|         | 55             | 1  | ÷       |                                     |   |      |   |   |   |   |
|         | 56             | 1  | ÷       |                                     |   |      |   |   |   |   |
|         | 57<br>58       | 1  | ÷       |                                     |   |      |   |   |   |   |
|         | 58             | 4  | ÷       |                                     |   |      |   |   |   |   |
|         | 59             | 1  | ÷       |                                     |   |      |   |   |   |   |
|         | 60             | 1  | ÷       |                                     |   |      |   |   |   |   |
|         | 61             |  |         |                                     |   |      |   |   |   |   |
|         | 62             |  |         |                                     |   |      |   |   |   |   |
|         | 63             |  |         |                                     |   |      |   |   |   |   |
|         | 63<br>64       |  |         |                                     |   |      |   |   |   |   |
|         | 65             | Г  |         |                                     |   |      |   |   |   |   |
|         | 66             | Г  |         | Г                                   |   |      |   |   |   |   |
|         | 67             |  |         |                                     |   |      |   |   |   |   |
|         | 68             |  |         |                                     |   |      |   |   |   |   |
|         | 69             |  |         |                                     |   |      |   |   |   |   |
|         | 70             |  |         |                                     |   |      |   |   |   |   |
|         | 71             |  |         |                                     |   |      |   |   |   |   |
|         | 71<br>72       | $\vdash$                                     |         | $\vdash$                            |   |      |   |   |   |   |
|         | 73             |  |         | H                                   |   |      |   |   |   |   |
|         | 73<br>74<br>75 |  |         |                                     |   |      |   |   |   |   |
|         | 75             | $\vdash$                                     |         | $\vdash$                            |   |      |   |   |   |   |
|         | 76             |  |         |                                     |   |      |   |   |   |   |
|         | 76<br>77       |  |         |                                     |   |      |   |   |   |   |
|         | 78             | $\vdash$                                     |         | $\vdash$                            |   |      |   |   |   |   |
|         | 70             | $\vdash$                                     |         | $\vdash$                            |   |      |   |   |   |   |
|         | 79<br>80       |  |         |                                     |   |      |   |   |   |   |
|         | 81             | $\vdash$                                     |         | $\vdash$                            |   | _    |   |   |   |   |
|         | 92             | $\vdash$                                     |         | $\vdash$                            |   |      |   |   |   |   |
|         | 82<br>83       |  |         |                                     |   |      |   |   |   |   |
| -       | 84             | $\vdash$                                     |         | $\vdash$                            |   |      |   |   |   |   |
| -       | 04             | $\vdash$                                     | -       | $\vdash$                            | Н | _    | - |   | - |   |
| -       | 85             | $\vdash$                                     |         | $\vdash$                            | H | _    | _ | _ | - |   |
| -       | 86             | $\vdash$                                     |         | $\vdash$                            |   | _    |   |   |   |   |
| -       | 87             | $\vdash$                                     |         | $\vdash$                            |   | -    |   | _ |   |   |
| -       | 88             | $\vdash$                                     |         | $\vdash$                            |   | _    |   |   |   |   |
| -       | 89             | H  |         |                                     |   | _    |   |   |   |   |
|         | 90             | $\vdash$                                     |         | <u> </u>                            |   |      |   |   |   |   |
|         | 91             |  |         |                                     |   |      |   |   |   |   |
| -       | 92             | $\vdash$                                     |         | $\vdash$                            |   |      |   |   |   |   |
|         | 93             |  |         | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |   |      |   |   |   |   |
|         | 94             | $oxed{oxed}$                                 |         | $oxed{oxed}$                        | Ш |      |   |   |   |   |
|         | 95             | $oxed{oxed}$                                 |         | $oxed{oxed}$                        | Ш |      |   |   |   |   |
|         | 96             | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ |         | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш |      |   |   |   |   |
|         | 97             | $oxed{oxed}$                                 |         | $oxed{oxed}$                        | Ш |      |   |   |   |   |
|         | 98             | $oxed{oxed}$                                 |         | $oxed{oxed}$                        | Ш |      |   |   |   |   |
|         | 99             |  |         |                                     |   |      |   |   |   |   |
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| Cla   | aim        | Date |          |  |  |          |   |          |             |          |  |  |
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|       |            |      |          |  |  |          |   |          |             |          |  |  |
| Final | Original   |      |          |  |  |          |   |          |             |          |  |  |
|       | 101        |      |          |  |  |          |   |          |             |          |  |  |
|       | 102<br>103 |      |          |  |  |          |   |          |             |          |  |  |
|       | 103        |      |          |  |  |          |   |          |             |          |  |  |
|       | 104        |      |          |  |  |          |   |          |             |          |  |  |
|       | 105<br>106 |      |          |  |  |          |   |          |             |          |  |  |
|       | 106        |      |          |  |  |          |   |          |             |          |  |  |
|       | 107        |      |          |  |  |          |   | _        |             |          |  |  |
|       | 108<br>109 |      |          |  |  |          |   |          |             |          |  |  |
|       | 1109       |      |          |  |  |          |   |          |             |          |  |  |
|       | 111        |      |          |  |  |          |   |          |             |          |  |  |
|       | 112        |      | <u> </u> |  | <del>                                     </del> | $\vdash$ |   | $\vdash$ | <del></del> | $\vdash$ |  |  |
|       | 113        |      |          |  |  |          |   | $\vdash$ |             | H        |  |  |
|       | 114        |      |          |  |  |          |   | <u> </u> |             |          |  |  |
|       | 115        |      |          |  |  | $\vdash$ |   | $\vdash$ |             | Н        |  |  |
|       | 116        |      |          |  |  |          |   |          |             |          |  |  |
|       | 117        |      |          |  |  |          |   |          |             |          |  |  |
|       | 118        |      |          |  |  |          |   |          |             |          |  |  |
|       | 119        |      |          |  |  |          |   |          |             |          |  |  |
|       | 120        |      |          |  |  |          |   |          |             |          |  |  |
|       | 121        |      |          |  |  |          |   |          |             |          |  |  |
|       | 121<br>122 |      |          |  |  |          |   |          |             |          |  |  |
|       | 123        |      |          |  |  |          |   |          |             |          |  |  |
|       | 124<br>125 |      |          |  |  |          |   | _        |             |          |  |  |
|       | 125        |      |          |  |  |          |   |          |             |          |  |  |
|       | 126        |      |          |  |  |          |   |          |             |          |  |  |
|       | 127<br>128 |      |          |  |  |          |   | _        |             |          |  |  |
|       | 128        |      |          |  |  |          |   | _        |             |          |  |  |
|       | 129<br>130 |      |          |  |  |          |   |          |             |          |  |  |
|       | 131        |      |          |  |  |          |   | $\vdash$ |             |          |  |  |
|       | 132        |      |          |  |  |          |   |          |             |          |  |  |
|       | 132<br>133 |      | H        |  |  |          |   | $\vdash$ |             | H        |  |  |
|       | 134        |      |          |  |  |          |   |          |             | Н        |  |  |
|       | 135        |      |          |  |  |          |   |          |             | П        |  |  |
|       | 136        |      |          |  |  |          |   |          |             |          |  |  |
|       | 137        |      |          |  |  |          |   |          |             |          |  |  |
|       | 138        |      |          |  |  |          |   |          |             |          |  |  |
|       | 139        |      |          |  |  |          |   |          |             |          |  |  |
|       | 140        |      |          |  |  |          |   |          |             |          |  |  |
|       | 141        |      |          |  |  |          |   |          |             |          |  |  |
|       | 142        |      |          |  |  |          |   |          |             | Ш        |  |  |
|       | 143        |      |          |  |  | _        |   |          |             | Ш        |  |  |
|       | 144        |      |          |  | <u> </u>   | _        | _ | _        | <u> </u>    | Ш        |  |  |
|       | 145        |      |          |  |  | _        |   | _        |             | Ш        |  |  |
|       | 146        |      |          |  | -  | _        |   | _        |             |          |  |  |
|       | 147        |      | _        |  | _  | _        |   | _        |             |          |  |  |
|       | 148<br>149 |      | -        |  |  | _        |   | -        |             |          |  |  |
|       | 150        |      | _        |  |  | -        |   | <u> </u> |             | $\vdash$ |  |  |
|       | 100        |      |          |  |  |          |   | <u> </u> |             |          |  |  |